

Inventor: Tomoaki KUBO et al.

Title: METHOD FOR SCREENING GENOMIC DNA

FRAGMENTS

REPLACEMENT SHEET

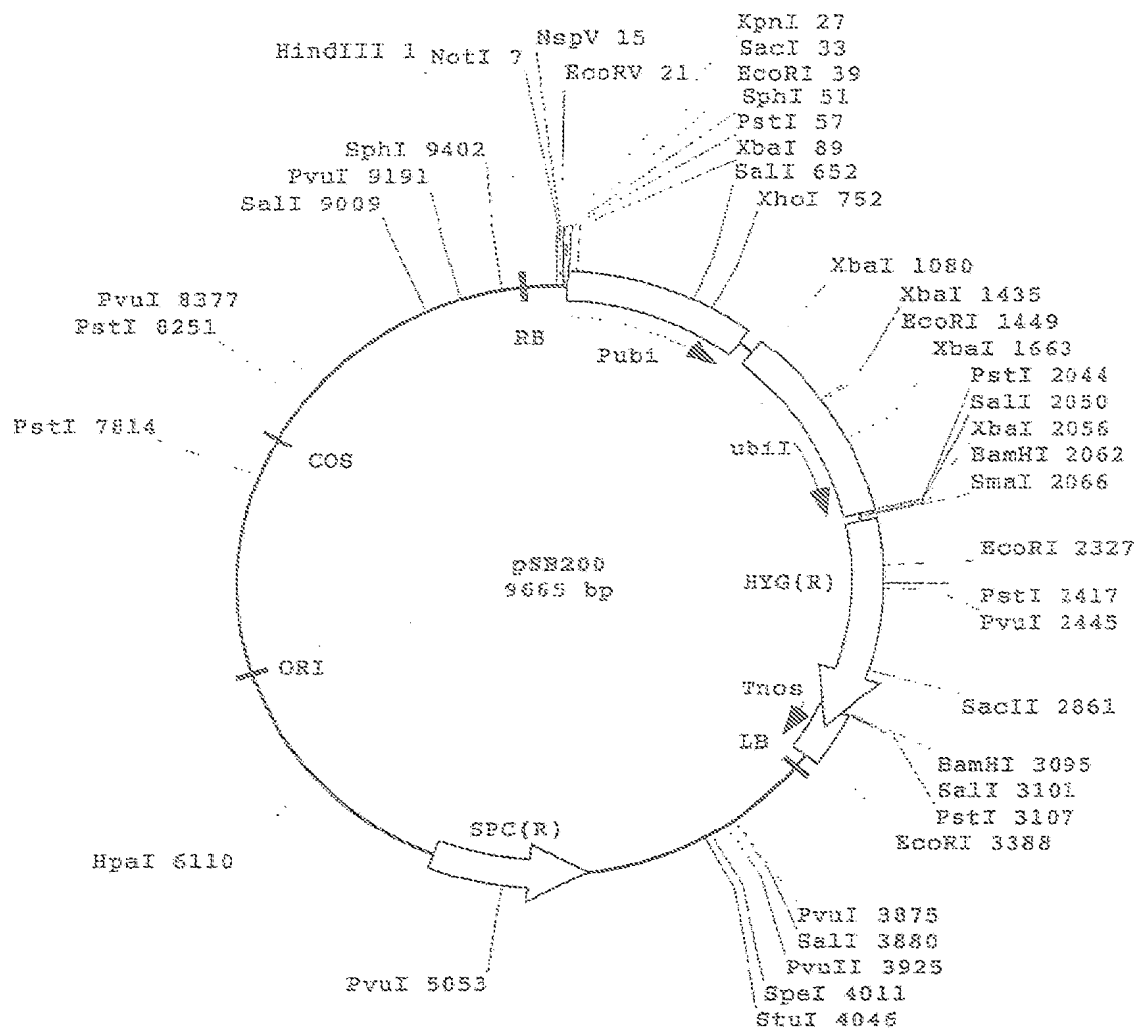


Fig. 1

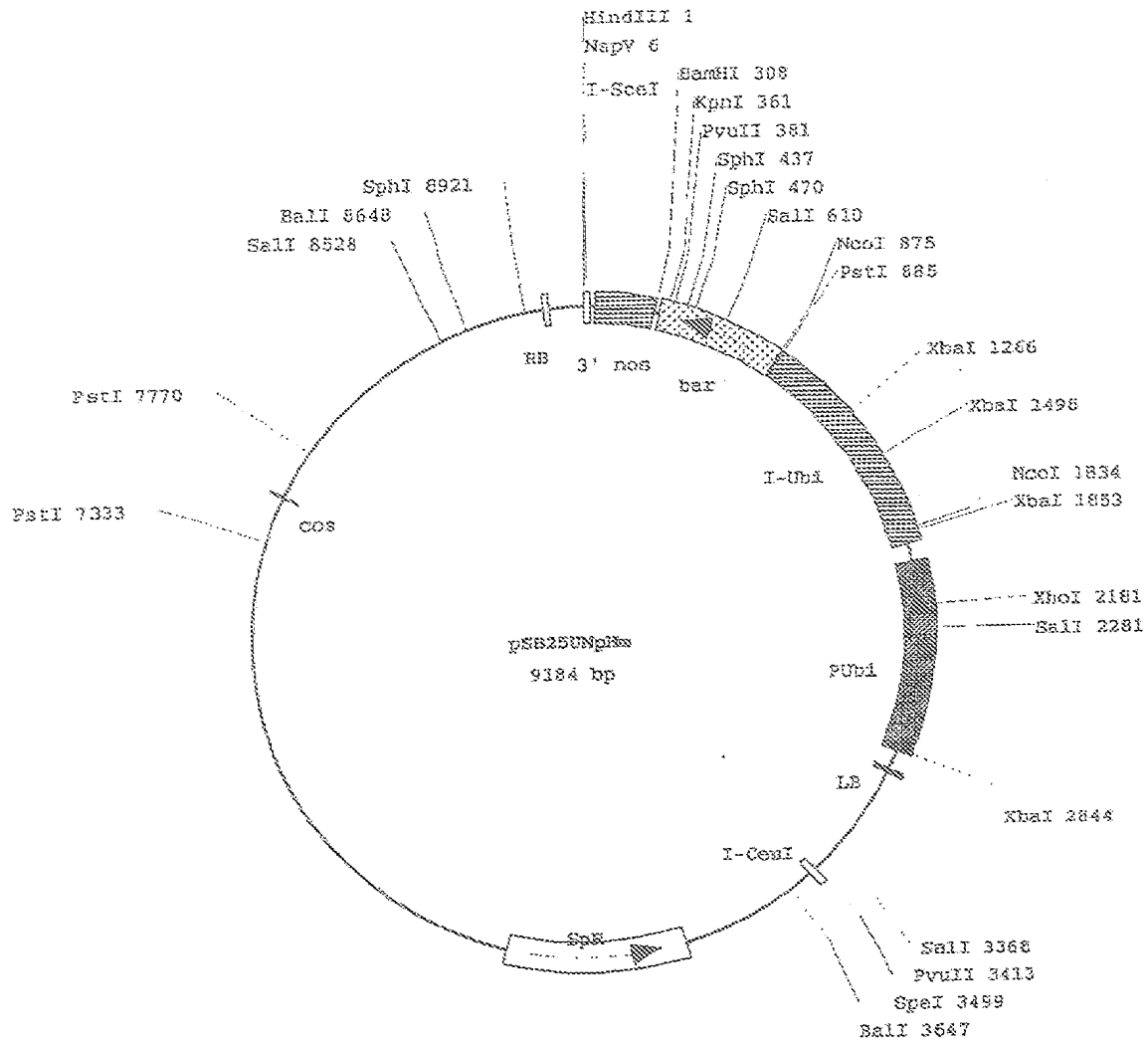
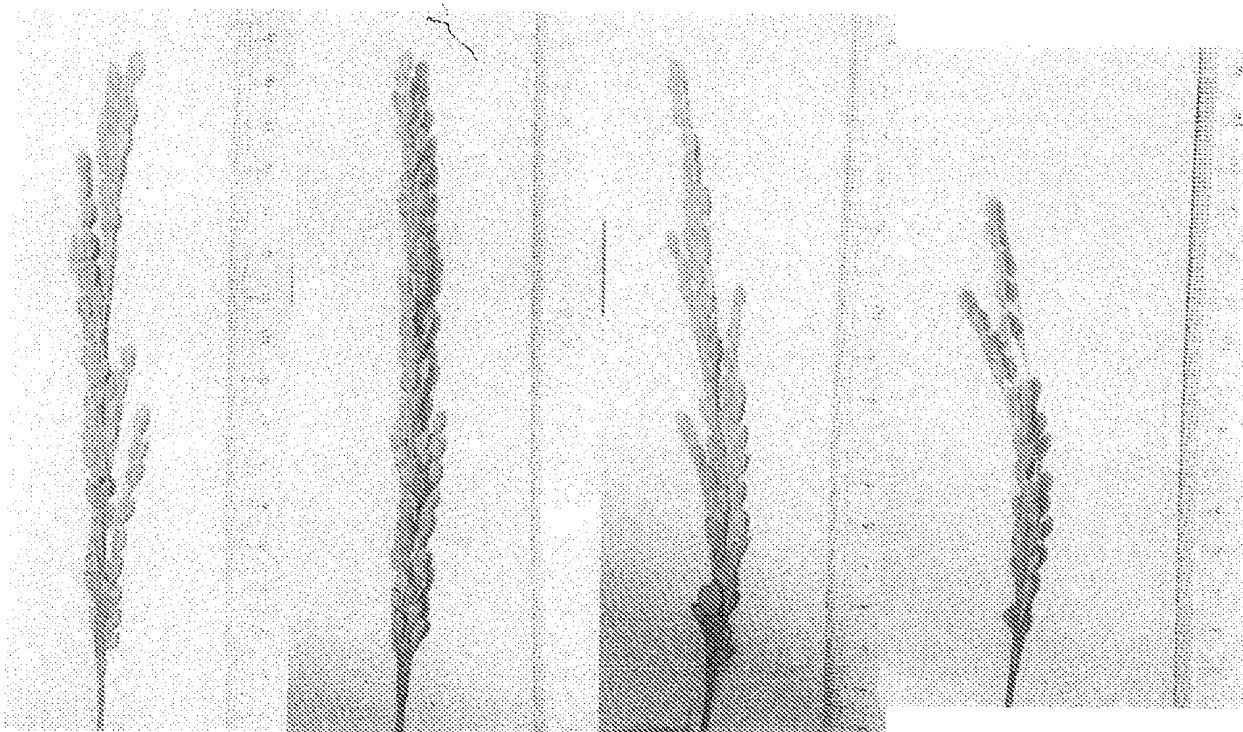


Fig. 2

Fig. 3



Genome  
fragment  
A083G04  
(SEQ ID NO:41  
SEQ ID NO:42)  
Transgenic plant

Genome  
fragment  
A088E02  
(SEQ ID NO:43  
SEQ ID NO:44)  
Transgenic plant

Genome  
fragment  
A089F12  
(SEQ ID NO:45  
SEQ ID NO:46)  
Transgenic plant

Control  
plant

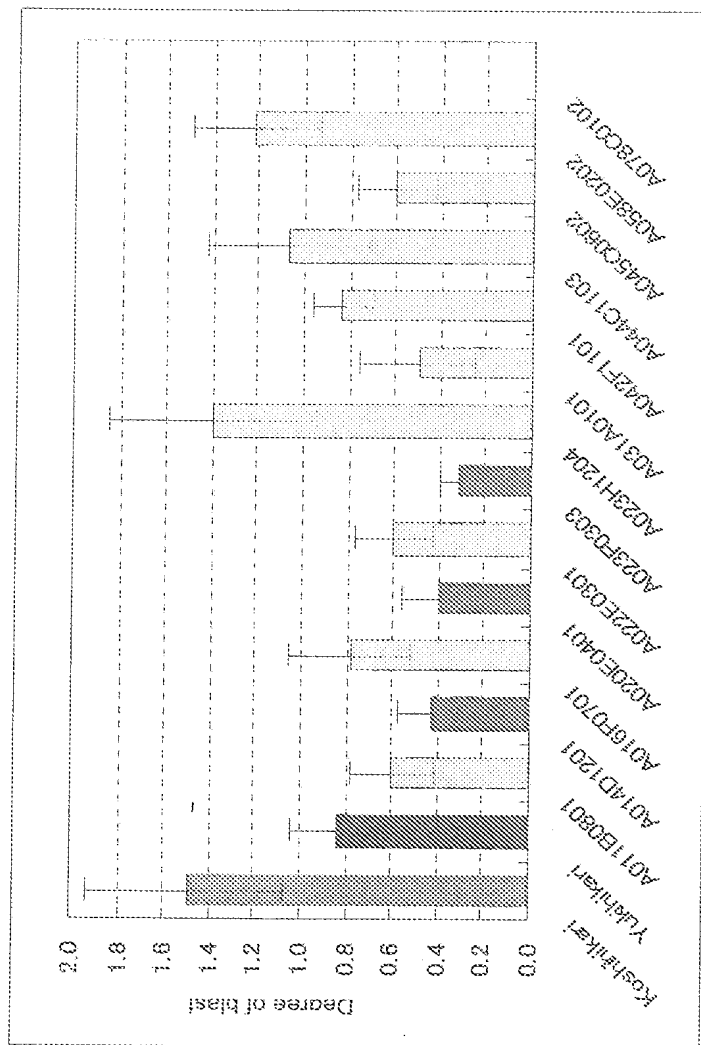


Fig.4: Results of testing of blast resistance

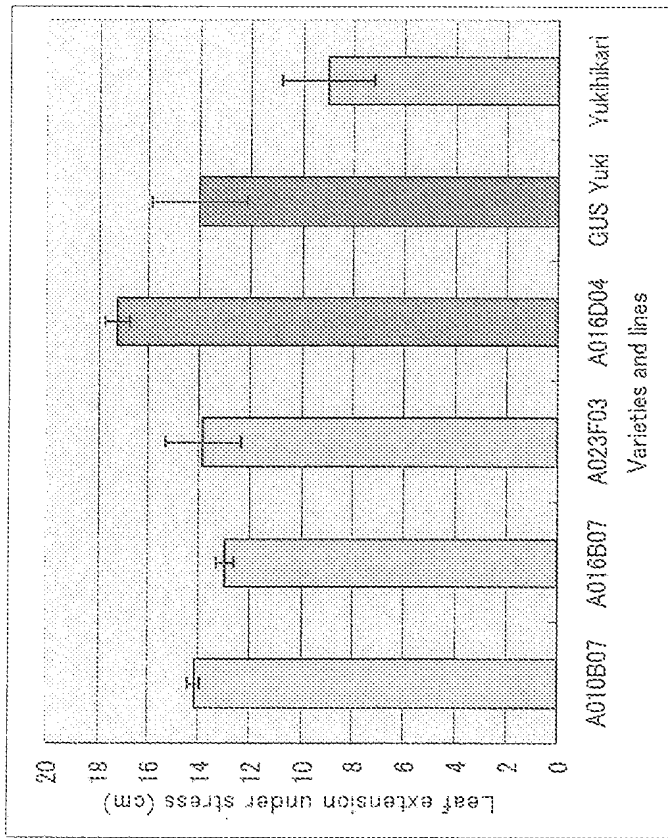


Fig. 5 Extension of leaves of various varieties and lines under stress

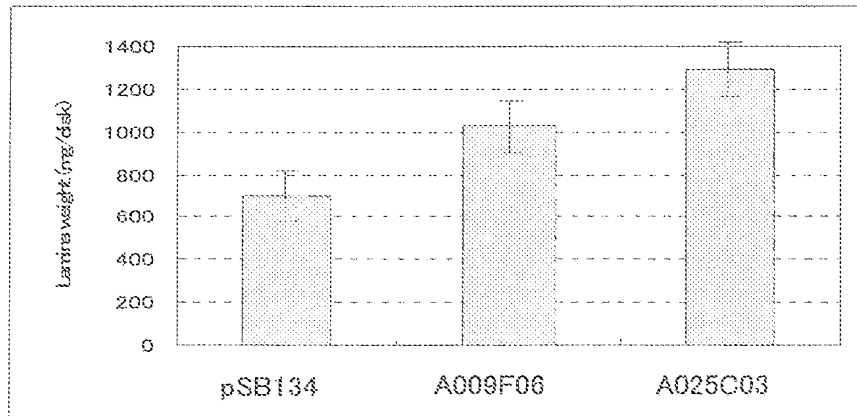


Fig. 6 : Effect of introducing genomic DNA fragments on the growth of tobacco callus

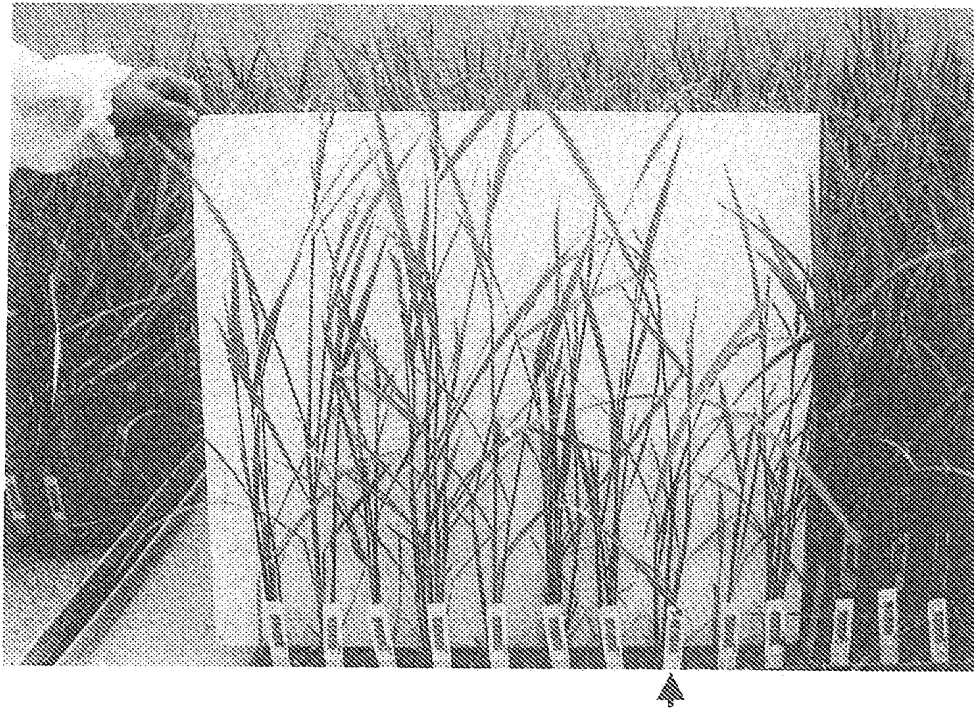


Fig. 7

Growth of rice cultivated after treatment with teosinte genomic DNA fragments; plant bodies at day 45 after transplantation; the arrow indicates the control individual; the introduced genomic fragments are, from left to right:

M044G07, M043C09, M042F06, M043A11, M042H08, M043B10, M044E12,  
Control, M042E11, M043A08

Fig. 8

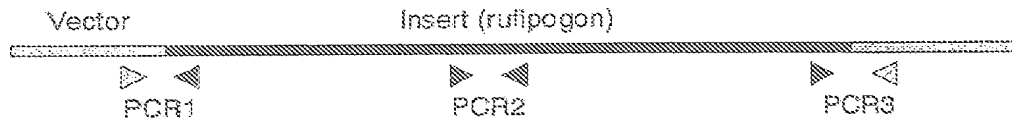
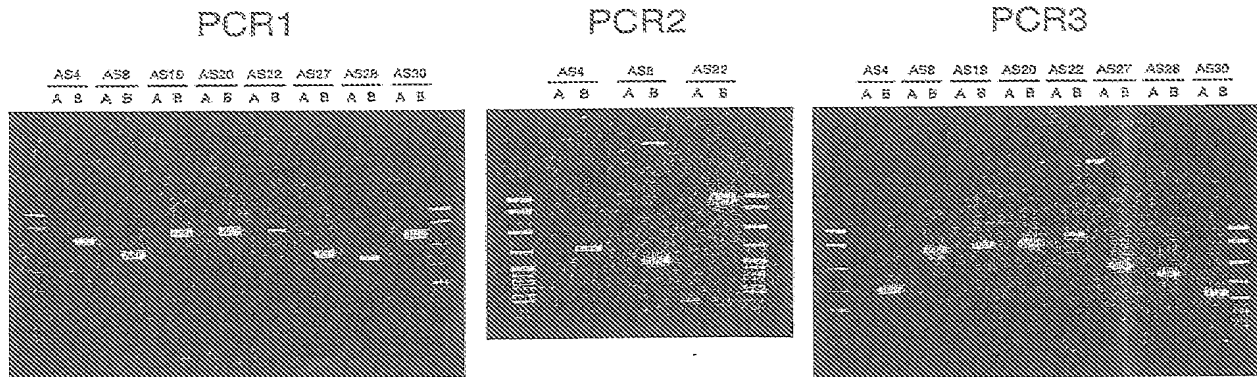


Fig. 9

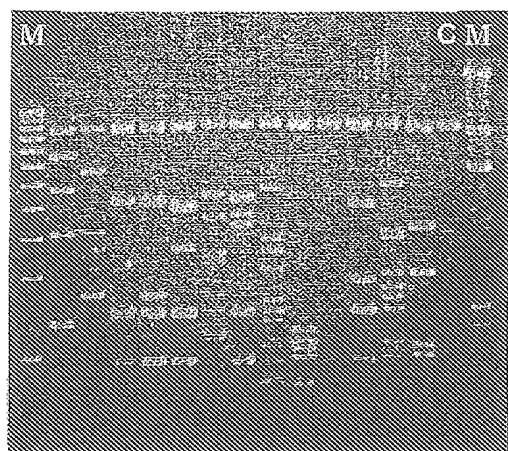


A: pSB200

B: 対応する断片をpSB200に挿入したプラスミド



Fig. 10



左から

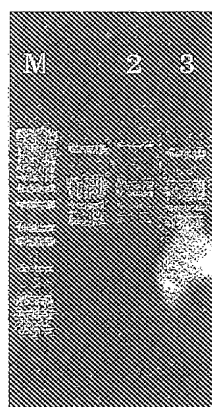
第1レーン (M) : 1kb ladder

第2～14レーン : AS88, 90, 95-102, 104-106

C : ベクターコントロール

M2 :  $\lambda$ /HindIII サイズマーカー

Fig. 11



1 : G001A03 (オリジナル)

2 : G001A03DEST

3 : G001A03bar

M : 1kb ladder